

Summary**Method for the control of mechanisms and technical systems, equipment and control software**

The invention relates to a method for the control of mechanisms and technical systems characterized by that

- a) the mechanisms or technical systems to be controlled in their elementary functions (8) with their states defined according to the instructions and the appropriate signal representations of the sensors (13) and actuators (12) are stored in a control, whereby starting from a reference state (18) at the start of the control activation a continuous comparison is made of the actual states transmitted by the technical device through the sensors (13) with the desired states (24) stored in the control for all elementary functions and therefore any deviation in the system to be controlled from the desired state (24) according to the instructions is detected,
- b) a new instruction that changes the state of the mechanisms or the technical system updates when started the desired state (24) for making the comparison and monitors the time period until signalization of the new state defined by that instruction on the base of also stored permissible transition times,
- c) whereby sensor signals and comparable information exclusively serve for the identification of the state of elementary functions (8), state changes take place exclusively through the start of elementary instructions (16) to which the sensor and actuator signals as desired state are assigned, and that the application instructions (32) freely defined on a logical-functional language level are defined by appropriate assignment of elementary instructions (16).

A device for carrying out the method and a method to produce the control software are described.